Contents of Volume 216 · 2003

Abdel Ghany AGA, Zaki EA: Cloning and sequencing of an *envelope*-like gene in *Gossypium* 351
Abdel-Massih RM, Baydoun EA-H, Brett CT: In vitro biosynthesis of 1,4-β-galactan attached to a pectin–xyloglucan complex in pea 502
Ache P → Deeken R
Akimoto C → Sobajima H
Albertsen MC → Chaubal R
Alborn HT → Schmelz EA
Allaway D → Jones PG
Aloni R → Veselov D
Aloni R, Schwalm K, Langhans M, Ullrich CI: Gradual shifts in sites of free-auxin production during leaf-primordium development and their role in vascular differentiation and leaf morphogenesis in *Arabidopsis* 841
Alvarez R → García-Mauriño S
Anderson JR → Chaubal R
Angenon G → Zambre M
Aon MA → Gómez-Casati DF
Aono M → Tamaoki M
Apel K → Nibbe M
Appels R → Turnbull K-M
Arango M, Gévaudant F, Oufattole M, Boutry M: The plasma membrane proton pump ATPase: the significance of gene subfamilies 355
Arimura G → Fäldt J

Bächmann K → Veselov D
Bamberg DD v. → Pullen C
Banchio E → Schmelz EA
Bapat VA → Chakrabarti A
Barnes J → Sanmartin M
Barth C, Krause GH: Study of tobacco transformants to assess the role of chloroplastic NAD(P)H dehydrogenase in photoprotection of photosystems I and II 273
Baryla A → Carrier P
Baydoun EA-H → Abdel-Massih RM
Bedinger P → Chaubal R
Berg S → Krause K
Beyer P → Welsch R
Blissett KJ → Clark AJ
Bock A, Wanner G, Zenk MH: Immunocytological localization of two enzymes involved in berberine biosynthesis 57
Bohlmann J → Fäldt J
Bolduc N, Ouellet M, Pitre F, Brisson LF: Molecular characterization of two plant BI-1 homologues which suppress Bax-induced apoptosis in human 293 cells 377
Borland AM → Dodd AN
Boutry M → Arango M
Bovet L → Kolukisaoglu HÜ
Bramley PM → Fester T
Brett CT → Abdel-Massih RM
Brisson LF → Bolduc N
Buchanan BB → Marx C
Bucher M → Rausch C
Bukhov NG, Carpentier R: Measurement of photochemical quenching of absorbed quanta in photosystem I of intact leaves using simultaneous measurements of absorbance changes at 830 nm and thermal dissipation 630
Butt YK-C, Lum JH-K, Lo SC-L: Proteomic identification of plant proteins probed by mammalian nitric oxide synthase antibodies 762

Cammue BPA → Thomma BPHJ
Cao K → Dong A
Carda M → Flors V
Carden DE, Felle HH: The mode of action of cell wall-degrading enzymes and their interference with Nod factor signalling in *Medicago sativa* root hairs 993
Carfagna S → Esposito S
Carimi F, Zottini M, Formentin E, Terzi M, Lo Schiavo F: Cytokinins: new apoptotic inducers in plants 413
Carpentier R → Bukhov NG
Carrier P, Baryla A, Havaux M: Cadmium distribution and microlocalization in oilseed rape (*Brassica napus*) after long-term growth on cadmium-contaminated soil 939
Cejudo FJ → González M-C
Chaillou S → Fei H
Chakrabarti A, Ganapathi TR, Mukherjee PK, Bapat VA: MSI-99, a magainin analogue, imparts enhanced disease resistance in transgenic tobacco and banana 587
Chaubal R, Anderson JR, Trimnell MR, Fox TW, Albertsen MC, Bedinger P: The transformation of anthers in the *msca1* mutant of maize 778
Chevreau E → Malnoy M
Cho E-M → Sobajima H
Choi SM, Jeong SW, Jeong WJ, Kwon SY, Chow WS, Park Y-I: Chloroplast Cu/Zn-superoxide dismutase is a highly sensitive site in cucumber leaves chilled in the light 315
Choi W-Y → Lee K-S
Chow WS → Choi SM
Chun J-A, Jin U-H, Lee J-W, Yi Y-B, Hyung N-I, Kang M-H, Pyee J-H, Suh MC, Kang C-W, Seo H-Y, Lee S-W, Chung C-H: Isolation and characterization of a myo-inositol 1-phosphate synthase cDNA from developing sesame (*Sesamum indicum* L.) seeds: functional and differential expression, and salt-induced transcription during germination 874
Chung C-H → Chun J-A
Clark AJ, Blissett KJ, Oliver RP: Investigating the role of polyols in *Cladosporium fulvum* during growth under hyper-osmotic stress and in planta 614
Clayton JC → Harker M
Cocke AE → Fellner M
Cordenunsi BR → da Mota RV
Cortassa S → Gómez-Casati DF
Cumino A → Vargas W
Cunning MD → Ortega JKE
Cushman JC → Dodd AN

da Mota RV, Cordenunsi BR, do Nascimento JRO, Purgatto E, Rosseto MRM, Lajolo FM: Activity and expression of banana starch phosphorylases during fruit development and ripening 325
Dancer JE → Jones AL
De Buck S → Zambre M
De Castro França S → Pullen C
De Clercq J → Zambre M
de Jong J → Outchkourov NS
De-Eknamkul W → Samappito S
Deeken R, Geiger D, Fromm J, Koroleva O, Ache P, Langenfeld-Heyser R, Sauer N, May ST, Hedrich R: Loss of the AKT2/3 potassium channel affects sugar loading into the phloem of *Arabidopsis* 334
Deng Z → Hawkins GP
Dengler N → Kang J
Dennis ES → Genger RK
Deppong DO → Geisler MJ
Dharmawardhana DP → Samuels AL
Di Martino Rigano V → Esposito S
Dickler C → Veselov D
Dillen W → Zambre M
do Nascimento JRO → da Mota RV
Dodd AN, Griffiths H, Taybi T, Cushman JC, Borland AM: Integrating diel starch metabolism with the circadian and environmental regulation of Crassulacean acid metabolism in *Mesembryanthemum crystallinum* 789
Domanskii V, Rassadina V, Gus-Mayer S, Wanner G, Schoch S, Rüdiger W: Characterization of two phases of chlorophyll formation during greening of etiolated barley leaves 475
Dong A, Zhu Y, Yu Y, Cao K, Sun C, Shen W-H: Regulation of biosynthesis and intracellular localization of rice and tobacco homologues of nucleosome assembly protein 1 561
Donovan CM → Olhoft PM
Douglas CJ → Samuels AL
Drogoudi PD → Sanmartin M
Dubois F → Paczek V
Düchting P → Müller A
Dumville JC, Fry SC: Gentiobiose: a novel oligosaccharin in ripening tomato fruit 484
Duvoix A → Harker M

Echevarría C → García-Mauriño S
Edqvist J, Farbos I: A germination-specific epoxide hydrolase from *Euphorbia lagascae* 403
Eggmann T → Kolukisaoglu HÜ
Elčkner M → Petrášek J
Ellis BE → Samuels AL
Eschenburg S, Healy ML, Priestman MA, Lushington GH, Schönbrunn E: How the mutation glycine96 to alanine confers glyphosate insensitivity to 5-enolpyruvyl shikimate-3-phosphate synthase from *Escherichia coli* 129
Espinosa MA → Ortega JKE
Esposito S, Massaro G, Vona V, Di Martino Rigano V, Carfagna S: Glutamate synthesis in barley roots: the role of the plastidic glucose-6-phosphate dehydrogenase 639
Evans ML → Zhao H

Fäldt J, Arimura G, Gershenzon J, Takabayashi J, Bohlmann J: Functional identification of *AtTPS03* as (*E*)-β-ocimene synthase: a monoterpene synthase catalyzing jasmonate- and wound-induced volatile formation in *Arabidopsis thaliana* 745
Fang R-X → Liu Z-Z
Fankhauser C, Staiger D: Photoreceptors in *Arabidopsis thaliana*: light perception, signal transduction and entrainment of the endogenous clock 1
Farbos I → Edqvist J
Fei H, Chaillou S, Hirel B, Mahon JD, Vessey JK: Overexpression of a soybean cytosolic glutamine synthetase gene linked to organ-specific promoters in pea plants grown in different concentrations of nitrate 467
Feierabend J → Shang W

Felle HH → Carden DE
Fellner M, Horton LA, Cocke AE, Stephens NR, Ford ED, Van Volkenburgh E: Light interacts with auxin during leaf elongation and leaf angle development in young corn seedlings 366
Fernández-Moya V, Martínez-Force E, Garcés R: Temperature-related non-homogeneous fatty acid desaturation in sunflower (*Helianthus annuus* L.) seeds 834
Fester T, Schmidt D, Lohse S, Walter MH, Giuliano G, Bramley PM, Fraser PD, Hause B, Strack D: Stimulation of carotenoid metabolism in arbuscular mycorrhizal roots 148
Feussner I → Veselov D
Finnegan EJ → Genger RK
Fischer AM → Smidansky ED
Flagel LE → Olhoft PM
Fleming AJ: The mechanism of leaf morphogenesis 17
Flors V, Miralles MC, González-Bosch C, Carda M, García-Agustín P: Induction of protection against the necrotrophic pathogens *Phytophthora citrophthora* and *Alternaria solani* in *Lycopersicon esculentum* Mill by a novel synthetic glycoside combined with amines 929
Ford ED → Fellner M
Formentin E → Carimi F
Fowke LC → Zhou Y
Fox TW → Chaubal R
Fröhlich B, Niemetz R, Gross GG: Gallotannin biosynthesis: two new galloyltransferases from *Rhus typhina* leaves preferentially acylating hexa- and heptagalloylglucoses 168
Fraser PD → Fester T
Frick UB, Schaller A: cDNA microarray analysis of fusicoccin-induced changes in gene expression in tomato plants 83
Friedman H, Vos JW, Hepler PK, Meir S, Halevy AH, Philosoph-Hadas S: The role of actin filaments in the gravitropic response of snapdragon flowering shoots 1034
Fromm J → Deeken R
Fry SC → Dumville JC
Fukushima K → Yamauchi K

Gaborit T → Turnbull K-M
Gage DA → Hoffmann-Benning S
Ganapathi TR → Chakrabarti A
Gane AM → Jones AL
Garcés R → Fernández-Moya V
García-Agustín P → Flors V
García-Mauriño S, Monreal JA, Alvarez R, Vidal J, Echevarría C: Characterization of salt stress-enhanced phosphoenolpyruvate carboxylase kinase activity in leaves of *Sorghum vulgare*: independence from osmotic stress, involvement of ion toxicity and significance of dark phosphorylation 648
Garlick AP, Moore C, Kruger NJ: Monitoring flux through the oxidative pentose phosphate pathway using [1-^{14}C]gluconate 265
Geiger D → Deeken R
Geisler M → Kolukisaoglu HÜ
Geisler MJ, Deppong DO, Nadeau JA, Sack FD: Stomatal neighbor cell polarity and division in *Arabidopsis* 571
Genger RK, Peacock WJ, Dennis ES, Finnegan EJ: Opposing effects of reduced DNA methylation on flowering time in *Arabidopsis thaliana* 461
Gershenzon J → Fäldt J
Gévaudant F → Arango M
Gilmartin PM → Webster MA
Gilmer S → Zhou Y
Gilmour DM → Jones PG
Giroux MJ → Smidansky ED
Giuliano G → Fester T
Giuliano G → Welsch R
Gollmick F → Pullen C
Gómez-Casati DF, Cortassa S, Aon MA, Iglesias AA: Ultrasensitive behavior in the synthesis of storage polysaccharides in cyanobacteria 969
González M-C, Sánchez R, Cejudo FJ: Abiotic stresses affecting water balance induce phosphoenolpyruvate carboxylase expression in roots of wheat seedlings 985
González-Bosch C → Flors V
Goto N → Takahashi N
Götz C → Veselov D
Govorunova EG, Sineshchekov OA: Integration of photo- and chemosensory signaling pathways in *Chlamydomonas* 535
Gräfe U → Pullen C
Gregorio GB → Lee K-S
Griffiths H → Dodd AN
Gross GG → Fröhlich B
Groth I → Pullen C
Guo F → Yang D
Gus-Mayer S → Domanskii V

Halevy AH → Friedman H
Hamada K → Yamauchi K
Hannah LC → Smidansky ED
Harker M, Hellyer A, Clayton JC, Duvoix A, Lanot A, Safford R: Co-ordinate regulation of sterol biosynthesis enzyme activity during accumulation of sterols in developing rape and tobacco seed 707
Harris C → Jones PG
Hartung W → Veselov D
Harwood JL → Jones AL
Hause B → Fester T
Hause B → Opitz S
Havaux M → Carrier P
Hawkins GP, Deng Z, Kubik TJ, Johnson-Flanagan AM: Characterization of freezing tolerance and vernalization in Vern-, a spring-type *Brassica napus* line derived from a winter cross 220
Healy ML → Eschenburg S
Hedrich R → Deeken R
Hell R, Stephan UW: Iron uptake, trafficking and homeostasis in plants 541
Hellyer A → Harker M
Hepler PK → Friedman H
Herbert D → Jones AL
Herrmann KM → Zhao J
Hertel R → Zhao H
Hihara Y → Muramatsu M
Hilpert B → Nibbe M
Hirel B → Fei H
Hirel B → Paczek V
Hoffmann-Benning S, Gage DA, McIntosh L, Kende H, Zeevaart JAD: Comparison of peptides in the phloem sap of flowering and non-flowering *Perilla* and lupine plants using microbore HPLC followed by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry 140
Holländer-Czytko H → Sandorf I
Hori M → Yamamoto H
Horton LA → Fellner M
Huang N → Yang D
Hückelhoven R, Kogel K-H: Reactive oxygen intermediates in plant-microbe interactions: Who is who in powdery mildew resistance? 891
Huang X → Liu Z-Z
Hwang BK → Lee SC
Hyung N-I → Chun J-A

Ide H → Sonoda M
Iglesias AA → Gómez-Casati DF
Inoue K → Yamamoto H
Irving HR → Kelly MN
Ishikawa H → Zhao H

Jahns P → Macko S
Jaspert N, Oecking C: Regulatory 14-3-3 proteins bind the atypical motif within the C terminus of the plant plasma membrane H^+-ATPase via their typical amphipathic groove 136
Jeong SW → Choi SM
Jeong WJ → Choi SM
Jin U-H → Chun J-A
Johnson-Flanagan AM → Hawkins GP
Jones AL, Gane AM, Herbert D, Willey DL, Rutter AJ, Kille P, Dancer JE, Harwood JL: β-Ketoacyl-acyl carrier protein synthase III from pea (*Pisum sativum* L.): properties, inhibition by a novel thiolactomycin analogue and isolation of a cDNA clone encoding the enzyme 752
Jones CA → Jones PG
Jones PG, Allaway D, Gilmour DM, Harris C, Rankin D, Retzel ER, Jones CA: Gene discovery and microarray analysis of cacao (*Theobroma cacao* L.) varieties 255
Jongsma MA → Outchkourov NS

Kadota A → Sato Y
Kahn WM → Prithiviraj B
Kamimura H → Oguri S
Kamoshida M → Oguri S
Kanellis AK → Sanmartin M
Kang C-W → Chun J-A
Kang J, Dengler N: Cell cycling frequency and expression of the homeobox gene *ATHB-8* during leaf vein development in *Arabidopsis* 212
Kang M-H → Chun J-A
Kanna M → Tamaoki M
Keller B → Malek B von
Kelly MN, Irving HR: Nod factors activate both heterotrimeric and monomeric G-proteins in *Vigna unguiculata* (L.) Walp 674
Kende H → Hoffmann-Benning S
Khan WM → Prithiviraj B
Kille P → Jones AL
Kim S-H, Roux SJ: An *Arabidopsis* Ran-binding protein, AtRanBP1c, is a co-activator of Ran GTPase-activating protein and requires the C-terminus for its cytoplasmic localization 1047
Kim T-S → Lee K-S
Kiribuchi K → Sobajima H
Kitazaki S → Sonoda M
Klein M → Kolukisaoglu HÜ
Ko J-C → Lee K-S
Kobashi N → Sobajima H
Kogel K-H → Hückelhoven R
Kolukisaoglu HÜ, Bovet L, Klein M, Eggmann T, Geisler M, Wanke D, Martinoia E, Schulz B: Family business: the multidrug-resistance related protein (MRP) ABC transporter genes in *Arabidopsis thaliana* 107
Koroleva O → Deeken R
Kossmann J → Ritte G
Krause GH → Barth C

Krause K, Berg S, Krupinska K: Plastid transcription in the holoparasitic plant genus *Cuscuta*: parallel loss of the *rrn16* PEP-promoter and of the *rpoA* and *rpoB* genes coding for the plastid-encoded RNA polymerase 815

Kroumova AB, Wagner GJ: Different elongation pathways in the biosynthesis of acyl groups of trichome exudate sugar esters from various solanaceous plants 1013

Kruger NJ → Garlick AP

Krupinska K → Krause K

Kubik TJ → Hawkins GP

Kubo A → Tamaoki M

Kura-Hotta M → Mimura T

Kuroiwa T → Sodmergen

Kutchan TM → Samappito S

Kuwajima H → Yamamoto H

Kwon SY → Choi SM

Lajolo FM → da Mota RV

Langenfeld-Heyser R → Deeken R

Langhans M → Aloni R

Langhans M → Veselov D

Lanot A → Harker M

Lee J-W → Chun J-A

Lee K-S, Choi W-Y, Ko J-C, Kim T-S, Gregorio GB: Salinity tolerance of japonica and indica rice (*Oryza sativa* L) at the seedling stage 1043

Lee S-W → Chun J-A

Lee SC, Hwang BK: Identification of the pepper SAR8.2 gene as a molecular marker for pathogen infection, abiotic elicitors and environmental stresses in *Capsicum annuum* 387

Leistner E → Pullen C

Lesh-Laurie GE → Ortega JKE

Liu B → Yang D

Liu Z-M → Liu Z-Z

Liu Z-Z, Wang J-L, Huang X, Xu W-H, Liu Z-M, Fang R-X: The promoter of a rice glycine-rich protein gene, *Osgrp-2*, confers vascular-specific expression in transgenic plants 824

Lloyd JR → Ritte G

Lo SC-L → Butt YK-C

Lo Shiavo F → Carimi F

Lohse S → Fester T

Lum JH-K → Butt YK-C

Lushington GH → Eschenburg S

Lyons T → Sanmartin M

Macko S, Wehner A, Jahns P: Comparison of violaxanthin de-epoxidation from the stroma and lumen sides of isolated thylakoid membranes from *Arabidopsis*: implications for the mechanism of de-epoxidation 309

Maeshima M → Mimura T

Mahon JD → Fei H

Malnoy M, Venisse J-S, Reynoird JP, Chevreau E: Activation of three pathogen-inducible promoters of tobacco in transgenic pear (*Pyrus communis* L.) after abiotic and biotic elicitation 802

Mancuso S, Marras AM: Different pathways of the oxygen supply in the sapwood of young *Olea europaea* trees 1028

Manos SM → Ortega JKE

Mansfield SD → Samuels AL

Marion D → Turnbull K-M

Marras AM → Mancuso S

Martinez-Force E → Fernández-Moya V

Martin JM → Smidansky ED

Martinoia E → Kolukisaoglu HÜ

Marx C, Wong JH, Buchanan BB: Thioredoxin and germinating barley: targets and protein redox changes 454

Massaro G → Esposito S

Matsuyama T → Tamaoki M

May ST → Deeken R

McIntosh L → Hoffmann-Benning S

Medina J → Welsch R

Meir S → Friedman H

Meurer K → Pullen C

Miersch O → Nibbe M

Mimura M → Mimura T

Mimura T, Kura-Hotta M, Tsujimura T, Ohnishi M, Miura M, Okazaki Y, Mimura M, Maeshima M, Washitani-Nemoto S: Rapid increase of vacuolar volume in response to salt stress 397

Minami E → Sobajima H

Miralles MC → Flors V

Miura M → Mimura T

Möllmann U → Pullen C

Momonoki YS → Oguri S

Monreal JA → García-Mauriño S

Moore C → Garlick AP

Morot-Gaudry J-F → Paczek V

Morris DA → Petrášek J

Mukherjee PK → Chakrabarti A

Müller A, Düchting P, Weiler EW: A multiplex GC-MS/MS technique for the sensitive and quantitative single-run analysis of acidic phytohormones and related compounds, and its application to *Arabidopsis thaliana* 44

Müller A → Pollmann S

Muramatsu M, Hihara Y: Transcriptional regulation of genes encoding subunits of photosystem I during acclimation to high-light conditions in *Synechocystis* sp. PCC 6803 446

Muranaka T → Nagata N

Nadeau JA → Geisler MJ

Nagata N, Suzuki M, Yoshida S, Muranaka T: Mevalonic acid partially restores chloroplast and etioplast development in *Arabidopsis* lacking the non-mevalonate pathway 345

Nagata Y → Oguri S

Nakagawa H → Sonoda M

Nakajima N → Tamaoki M

Nakayama S → Sonoda M

Nibbe M, Hilpert B, Wasternack C, Miersch O, Apel K: Cell death and salicylate- and jasmonate-dependent stress responses in *Arabidopsis* are controlled by single *cet* genes 120

Niemetz R → Fröhlich B

Nishida H → Sobajima H

Nishiyama M → Sobajima H

Nojiri H → Sobajima H

Obel N, Porchia AC, Scheller HV: Intracellular feruloylation of arabinoxylan in wheat: evidence for feruloyl-glucose as precursor 620

Oecking C → Jaspert N

Oguri S, Kamoshida M, Nagata Y, Momonoki YS, Kamimura H: Characterization and sequence of tomato 2S seed albumin: a storage protein with sequence similarities to the fruit lectin 976

Ohnishi M → Mimura T

Okada K → Takahashi N

Okazaki Y → Mimura T

Okuyama T → Yamamoto H

Olhoft PM, Flagel LE, Donovan CM, Somers DA: Efficient soybean transformation using hygromycin B selection in the cotyledonary-node method 723

Oliver RP → Clark AJ

Olson JEC → Ortega JKE

Omori T → Sobajima H

Opitz S, Schnitzler J-P, Hause B, Schneider B: Histochemical analysis of phenylphenalenone-related compounds in *Xiphidium caeruleum* (Haemodoraceae) 881

Ortega EL → Ortega JKE

Ortega JKE, Lesh-Laurie GE, Espinosa MA, Ortega EL, Manos SM, Cunning MD, Olson JEC: Helical growth of stage-IVb sporangiophores of *Phycomyces blakesleeanus*: the relationship between rotation and elongation growth rates 716

Ouellet M → Bolduc N

Oufattole M → Arango M

Outchkourov NS, Peters J, de Jong J, Rademakers W, Jongsma MA: The promoter–terminator of chrysanthemum *rbcS1* directs very high expression levels in plants 1003

Paczek V, Dubois F, Sangwan R, Morot-Gaudry J-F, Roubelakis-Angelakis KA, Hirel B: Cellular and subcellular localisation of glutamine synthetase and glutamate dehydrogenase in grapes gives new insights on the regulation of carbon and nitrogen metabolism 245

Page J → Samappito S

Park S-W, Stevens NM, Vivanco JM: Enzymatic specificity of three ribosome-inactivating proteins against fungal ribosomes, and correlation with antifungal activity 227

Park Y-I → Choi SM

Pateraki I → Sanmartin M

Peacock WJ → Genger RK

Peters J → Outchkourov NS

Petrášek J, Elčkner M, Morris DA, Zažímalová E: Auxin efflux carrier activity and auxin accumulation regulate cell division and polarity in tobacco cells 302

Philosoph-Hadas S → Friedman H

Piotrowski M → Pollmann S

Pitre F → Bolduc N

Pollmann S, Müller A, Piotrowski M, Weiler EW: Occurrence and formation of indole-3-acetamide in *Arabidopsis thaliana* 155

Porchia AC → Obel N

Priestman MA → Eschenburg S

Prithiviraj B, Zhou X, Souleimanov A, Khan WM, Smith DL: A host-specific bacteria-to-plant signal molecule (Nod factor) enhances germination and early growth of diverse crop plants 437, 890

Pullen C, Schmitz P, Meurer K, Bamberg DD, v. Lohmann S, De Castro França S, Groth I, Schlegel B, Möllmann U, Gollmick F, Gräfe U, Leistner E: New and bioactive compounds from *Streptomyces* strains residing in the wood of Celastraceae 162

Purgatto E → da Mota RV

Pyee J-H → Chun J-A

Rademakers W → Outchkourov NS

Rahman S → Turnbull K-M

Rankin D → Jones PG

Rassadina V → Domanskii V

Rausch C, Bucher M: Molecular mechanisms of phosphate transport in plants 23

Reid JB → Symons GM

Rensing KH → Samuels AL

Retzel ER → Jones PG

Reynoird JP → Malnoy M

Ritte G, Steup M, Kossmann J, Lloyd JR: Determination of the starch-phosphorylating enzyme activity in plant extracts 798

Rosseto MRM → da Mota RV

Roubelakis-Angelakis KA → Paczek V
Roux SJ → Kim S-H
Rubin B → Sibony M
Rüdiger W → Domanskii V
Rutter AJ → Jones AL
Ryser U: Protoxylem: the deposition of a network-containing glycine-rich cell wall proteins starts in the cell corners in close association with the pectins of the middle lamella 854

Sack FD → Geisler MJ
Safford R → Harker M
Saji H → Tamaoki M
Sakamoto W → Sodmergen
Salerno GL → Vargas W
Salvucci ME, van de Loo FJ, Stecher D: Two isoforms of Rubisco activase in cotton, the products of separate genes not alternative splicing 736
Samappito S, Page J, Schmidt J, De-Eknamkul W, Kutchan TM: Molecular characterization of root-specific chalcone synthases from *Cassia alata* 64
Samuels AL, Rensing KH, Douglas CJ, Mansfield SD, Dharmawardhana DP, Ellis BE: Cellular machinery of wood production: differentiation of secondary xylem in *Pinus contorta* var. *latifolia* 72
Sánchez R → González M-C
Sandorf I, Holländer-Czytko H: Jasmonate is involved in the induction of tyrosine aminotransferase and tocopherol biosynthesis in *Arabidopsis thaliana* 173
Sangwan R → Paczek V
Sanmartin M, Drogoudi PD, Lyons T, Pateraki I, Barnes J, Kanellis AK: Over-expression of ascorbate oxidase in the apoplast of transgenic tobacco results in altered ascorbate and glutathione redox states and increased sensitivity to ozone 918
Sasaki A → Sonoda M
Sato T → Sonoda M
Sato Y, Wada M, Kadota A: Accumulation response of chloroplasts induced by mechanical stimulation in bryophyte cells 772
Sauer N → Deeken R
Schaller A → Frick UB
Schaller F → Sobajima H
Scheller HV → Obel N
Schlegel B → Pullen C
Schlomski S → Veselov D
Schloss JV: Oxygen toxicity from plants to people 38
Schmelz EA, Alborn HT, Banchio E, Tumlinson JH: Quantitative relationships between induced jasmonic acid levels and volatile emission in *Zea mays* during *Spodoptera exigua* herbivory 665
Schmidt D → Fester T
Schmidt J → Samappito S
Schmidt M → Shang W
Schmitz P → Pullen C
Schneider B → Opitz S
Schneitz K → von Malek B
Schnitzler J-P → Opitz S
Schoch S → Domanskii V
Schönbrunn E → Eschenburg S
Schulz B → Kolukisaoglu HÜ
Schwalm K → Aloni R
Seo H-Y → Chun J-A
Shang W, Schmidt M, Feierabend J: Increased capacity for synthesis of the D1 protein and of catalase at low temperature in leaves of cold-hardened winter rye (*Secale cereale* L.) 865
Shen W-H → Dong A
Shibuya N → Sobajima H
Sibony M, Rubin B: Molecular basis for multiple resistance to acetolactate synthase-inhibiting herbicides and atrazine in *Amaranthus blitoides* (prostrate pigweed) 1022
Sineshchekov OA → Govorunova EG
Smart CC → Brûle S van den
Smidansky ED, Martin JM, Hannah LC, Fischer AM, Giroux MJ: Seed yield and plant biomass increases in rice are conferred by deregulation of endosperm ADP-glucose pyrophosphorylase 656
Smith DL → Prithiviraj B
Sobajima H, Takeda M, Sugimori M, Kobashi N, Kiribuchi K, Cho E-M, Akimoto C, Yamaguchi T, Minami E, Shibuya N, Schaller F, Weiler EW, Yoshihara T, Nishida H, Nojiri H, Omori T, Nishiyama M, Yamane H: Cloning and characterization of a jasmonic acid-responsive gene encoding 12-oxophytodienoic acid reductase in suspension-cultured rice cells 692
Sodmergen, Zhang Q, Zhang Y, Sakamoto W, Kuroiwa T: Reduction in amounts of mitochondrial DNA in the sperm cells as a mechanism for maternal inheritance in *Hordeum vulgare* 235
Somers DA → Olhoft PM
Sonoda M, Ide H, Nakayama S, Sasaki A, Kitazaki S, Sato T, Nakagawa H: Cloning of a nitrate reductase inactivator (NRI) cDNA from *Spinacia oleracea* L and expression of mRNA and protein of NRI in cultured spinach cells 961
Souleimanov A → Prithiviraj B
Staiger D → Fankhauser C
Stecher D → Salvucci ME
Stephan UW → Hell R
Stephens NR → Fellner M
Steup M → Ritte G
Stevens NM → Park S-W
Strack D → Fester T
Sugimori M → Sobajima H
Suh MC → Chun J-A
Sun C → Dong A
Suzuki M → Nagata N
Symons GM, Reid JB: Hormone levels and response during de-etiolation in pea 422

Takabayashi J → Fäldt J
Takahashi H → Takahashi N
Takahashi N, Goto N, Okada K, Takahashi H: Hydrotropism in abscisic acid, wavy, and gravitropic mutants of *Arabidopsis thaliana* 203
Takeda M → Sobajima H
Tamaoki M, Matsuyama T, Kanna M, Nakajima N, Kubo A, Aono M, Saji H: Differential ozone sensitivity among *Arabidopsis* accessions and its relevance to ethylene synthesis 552
Taybi T → Dodd AN
Terryn N → Zambre M
Terzi M → Carimi F
Thevissen K → Thomma BPHJ
Thomma BPHJ, Cammue BPA, Thevissen K: Plant defensins 193
Trimnell MR → Chaubal R
Tsujimura T → Mimura T
Tsutsumi Y → Yamauchi K
Tumlinson JH → Schmelz EA
Turnbull K-M, Marion D, Gaborit T, Appels R, Rahman S: Early expression of grain hardness in the developing wheat endosperm 699

Ullrich CI → Aloni R
Ullrich CI → Veselov D

v. Lohmann S → Pullen C
van de Loo FJ → Salvucci ME
van der Graaff E → von Malek B
Van Der Straeten D → Zambre M
van den Brûle S, Smart CC: The plant PDR family of ABC transporters 95
Van Montagu M → Zambre M
Van Volkenburgh E → Fellner M
Vargas W, Cumino A, Salerno GL: Cyanobacterial alkaline/neutral invertases Origin of sucrose hydrolysis in the plant cytosol? 951
Venisse J-S → Malnoy M
Veselov D, Langhans M, Hartung W, Aloni R, Feussner I, Götz C, Veselova S, Schlomski S, Dickler C, Bächmann K, Ullrich CI: Development of *Agrobacterium tumefaciens* C58-induced plant tumors and impact on host shoots are controlled by a cascade of jasmonic acid, auxin, cytokinin, ethylene and abscisic acid 512
Veselova S → Veselov D
Vessey JK → Fei H
Vidal J → García-Mauriño S
Vivanco JM → Park S-W
von Lintig J → Welsch R
von Malek B, Graaff E van der, Schneitz K, Keller B: The *Arabidopsis* male-sterile mutant *dde2-2* is defective in the *ALLENE OXIDE SYNTHASE* gene encoding one of the key enzymes of the jasmonic acid biosynthesis pathway 187
Vona V → Esposito S
Vos JW → Friedman H

Wada M → Sato Y
Wagner GJ → Kroumova AB
Wagner GJ → Wang E
Walter MH → Fester T
Wang E, Wagner GJ: Elucidation of the functions of genes central to diterpene metabolism in tobacco trichomes using posttranscriptional gene silencing 686
Wang H → Zhou Y
Wang J-L → Liu Z-Z
Wanke D → Kolukisaoglu HÜ
Wanner G → Bock A
Wanner G → Domanskii V
Washitani-Nemoto S → Mimura T
Wasternack C → Nibbe M
Watkins SC → Yang D
Weaver LM → Zhao J
Webster MA, Gilmartin PM: A comparison of early floral ontogeny in wild-type and floral homeotic mutant phenotypes of Primula 903
Wehner A → Macko S
Weiler EW → Pollmann S
Weiler EW → Müller A
Weiler EW → Sobajima H
Welsch R, Medina J, Giuliano G, Beyer P, von Lintig J: Structural and functional characterization of the phytoene synthase promoter from *Arabidopsis thaliana* 523
Whitwill S → Zhou Y
Willey DL → Jones AL
Wong JH → Marx C

Xu W-H → Liu Z-Z

Yamaguchi T → Sobajima H
Yamamoto H, Yoshida M, Okuyama T: Growth stress controls negative gravitropism in woody plant stems 280
Yamamoto H, Hori M, Kuwajima H, Inoue K: Formation of benzoquinol moiety in cornoside by salidroside mono-oxygenase, a cytochrome P450 enzyme, from *Abeliophyllum distichum* cell suspension cultures 432
Yamane H → Sobajima H
Yamauchi K, Yasuda S, Hamada K, Tsutsumi Y, Fukushima K: Multiform biosynthetic pathway of syringyl lignin in angiosperms 496
Yang D, Guo F, Liu B, Huang N, Watkins SC: Expression and localization of human lysozyme in the endosperm of transgenic rice 597
Yasuda S → Yamauchi K
Yi Y-B → Chun J-A
Yoshida M → Yamamoto H
Yoshida S → Nagata N
Yoshihara T → Sobajima H
Yu Y → Dong A

Zaki EA → Abdel Ghany AGA
Zambre M, Terryn N, De Clercq J, De Buck S, Dillen W, Van Montagu M, Van Der Straeten D, Angenon G: Light strongly promotes gene transfer from *Agrobacterium tumefaciens* to plant cells 580
Zažímalová E → Petrášek J
Zeevaart JAD → Hoffmann-Benning S
Zenk MH → Bock A
Zhang Q → Sodmergen
Zhang Y → Sodmergen
Zhao H, Hertel R, Ishikawa H, Evans ML: Species differences in ligand specificity of auxin-controlled elongation and auxin transport: comparing *Zea* and *Vigna* 293
Zhao J, Weaver LM, Herrmann KM: Translocation of 3-deoxy-D-*arabino*-heptulosonate 7-phosphate synthase precursor into isolated chloroplasts 180
Zhou X → Prithiviraj B
Zhou Y, Wang H, Gilmer S, Whitwill S, Fowke LC: Effects of co-expressing the plant CDK inhibitor ICK1 and D-type cyclin genes on plant growth, cell size and ploidy in *Arabidopsis thaliana* 604
Zhu Y → Dong A
Zottini M → Carimi F